Nanosize Inorganic Material Powders

UNIVERSITY OF UTAH

CENTER

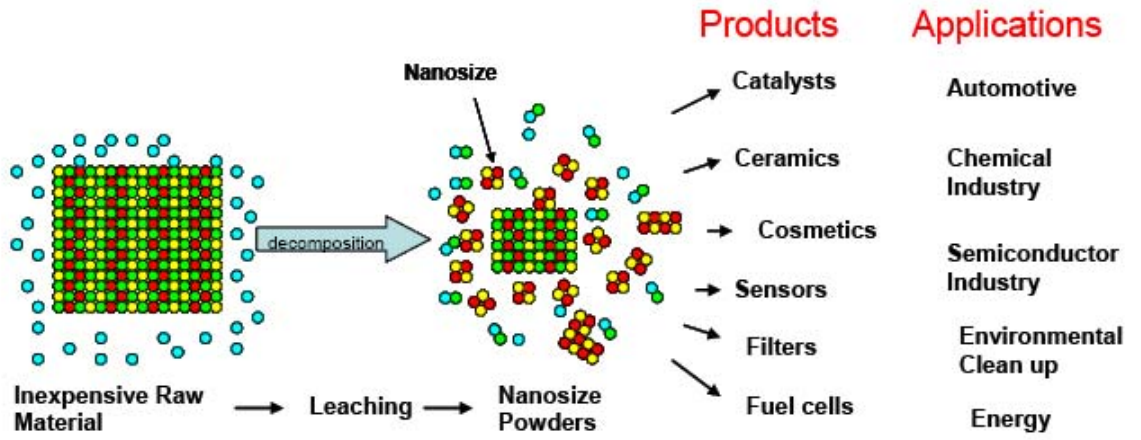
The main focus of this new Center has been to synthesize nanosize oxide powders by a low-cost, commercially scalable process using low-cost precursors. These powders find applications in numerous technologies. During the past year, one patent application was filed and one patent was issued. During the year, the use of nanosize powders in sensors and as a material for fuel cells, an energy conversion device which converts chemical energy of fuels directly into electricity was explored.

THINK TANK

What if there was...

A way that inexpensive raw materials could be easily converted into nanosize powders to enable a wide array of com-

TECHNOLOGY



ACCOMPLISHMENTS

This year the Center Synthesized nanosize powders of ZrO2, CeO2, TiO2, BaTiO3, and SrTiO3, initiated a number of contacts with potential commercial partners and began planning for one or more business ventures for the commercialization of nanosize powders for ceramic manufacture and catalysts and for the fabrication and commercialization of sensors and filters.

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